

U.S. Patent Application No. 10/572,797

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List of Current Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 5 (Cancelled).

6. (Currently amended) A pluggable module for a liquid-, or gas-, sensor, which sensor includes a sensor module (SM) and a sensor module head (SMK), which are pluggably connectable together and which enable, when plugged together, an exchange of data and energy via a galvanically decoupled, transfer zone, wherein:

the pluggable module (ST1) is connectable with the sensor module (SM) and has a display unit, which serves for display of sensor data stored in the sensor module (SM), and

the pluggable module (ST1) and the sensor module (SM) enable, when plugged together, an exchange of data and energy via a galvanically decoupled transfer zone

7. (Currently amended) A pluggable module for a liquid-, or gas-, sensor, which sensor includes a sensor module (SM) and a sensor module head (SMK), which are pluggably connectable together and which enable, when plugged together, an exchange of data and energy via a galvanically decoupled, transfer zone, wherein:

the pluggable module (ST1) is connectable with the sensor module (SM) and has a radio unit, which serves for transmission of sensor data stored in the sensor module (SM),

the pluggable module (ST1) and the sensor module (SM) enable, when plugged together, an exchange of data and energy via a galvanically decoupled transfer zone,
and

the pluggable module is embodied in the form of a key-ring pendant.

U.S. Patent Application No. 10/572,797

8. (Currently amended) A pluggable module for a liquid-, or gas-, sensor, which sensor includes a sensor module (SM) and a sensor module head (SMK), which are pluggably connectable together and which enable, when plugged together, an exchange of data and energy via a galvanically decoupled, transfer zone, wherein:

the pluggable module (ST1) is connectable with the sensor module (SM) and has a fieldbus interface (Profibus, Foundation Fieldbus, HART), via which access to sensor data stored in the sensor module (SM) occurs,

the pluggable module (ST1) and the sensor module (SM) enable, when plugged together, an exchange of data and energy via a galvanically decoupled transfer zone, and

the pluggable module is embodied in the form of a key-ring pendant .

9. (Currently amended) A pluggable module for a liquid-, or gas-, sensor, which sensor includes a sensor module (SM) and a sensor module head (SMK), which are pluggably connectable together and which enable, when plugged together, an exchange of data and energy via a galvanically decoupled transfer zone, wherein:

the pluggable module (ST2) is connectable with the sensor module head (SMK) and has a simulation unit, which produces an analog signal value, which ~~corresponds to a predetermined~~ simulates a measured value and which is converted in a signal processing unit into a digital measured value, which is forwarded to the sensor module head (SMK).

10. (Currently amended) ~~A~~ The pluggable module as claimed in claim 6, wherein:

the pluggable module is embodied in the form of a key-ring pendant.

11. (New) The pluggable module as claimed in claim in claim 9, wherein

:

U.S. Patent Application No. 10/572,797

the pluggable module is embodied in the form of a key-ring pendant.